AMENDMENTS TO THE CLAIMS

1.   (Currently Amended) A program executing method to execute a program written in an interpreter language, comprising the steps of:

extracting reference data <u>comprising a first and second reference data, said reference data is</u> used for specifying a location to be accessed in a memory, and resolving a reference using said reference data<u>, said first reference data comprising a resolved class related reference data and said second reference data comprising a resolved field related reference data</u>;

storing result data of said resolved reference linking to said program through said reference data, said two steps <u>of extracting and storing</u> being executed before said program is executed; and

specifying a location in said memory to be accessed based on said result data of said resolved reference linking to said program through said reference data, when said program is executed which requires to access said memory <s>referring predetermined data</s>.

2.   (Currently Amended) An information processing device provided with a program written in an interpreter language, comprising:

a storing means to store result data of a resolved reference linking to said program through a reference data <u>comprising a first and second reference data, at least one of said reference data</u> to specify a location in a memory to be accessed<u>, wherein said first reference data is determined based on class data and said second reference data comprises an index value for one or more field data</u>;

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a program executing means to execute said program, which specifies said location in said memory to be accessed based on said result data of said resolved reference linking to said program through said reference data, when said program is executed which requires access to said memory ~~referring predetermined data~~.

3.   (Original) An information processing device according to claim 2, wherein said program comprises an object program in byte code and data which represent the content of reference data linked to said program, and said program executing means stores said result data of said resolved reference in a link information provided for linking to said object program.

4.   (Original) An information processing device according to claim 3, wherein said link information provided for linking to said object program contains code data of a number of fixed lengths, and said result data of said resolved reference is stored in a predetermined location in a head code data.

5.   (Original) An information processing device according to claim 4, wherein said object program and said link information are read out of a ROM at the time of executing said program.

6. (New) A program executing method according to claim 1, wherein said class related reference data comprises at least one resolved class table index data and said field related reference data comprises at least one resolved field table index data.

7. (New) A program executing method according to claim 1, wherein said resolved field reference data comprises an index data related to a field data table.

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8. (New) A program executing method according to claim 1, wherein said resolved field related reference data further comprises an operand containing an object offset value indicating an object memory retrieval address.

9. (New) A program executing method according to claim 1, wherein said field related reference data is a position index data indicating a relationship of a data element within a table.

10. (New) A program executing method according to claim 9, wherein said position index data indicates a relationship of said data element to other data elements within a sequence of data elements in said table.

11. (New) A program executing method according to claim 1, wherein said reference data further comprises a third reference data.

12. (New) A program executing method according to claim 11, wherein said third reference data comprises a method related reference data.

13. (New) A program executing method according to claim 12, wherein said method related reference data comprises an index for a method table.

14. (New) A program executing method according to claim 1, wherein said two steps of extracting and storing being executed during execution of said program when said program creates a new data container or renames a data container that was referenced in said program before execution of said program.

15. (New) An information processing device according to claim 2, wherein said first reference data comprises at least one resolved class table index data.

16. An information processing device according to claim 2, further comprising a third reference data, said third reference data comprising a first data structure for storing character data and a second data structure for storing data indicating a position within said first data structure for storing character data.

17. (New) A program executing method according to claim 2, wherein said reference data further comprises a third reference data.

18. (New) An information processing device according to claim 3, wherein said link information comprises a plurality of reference data structures, each of said data structures comprise at least one fixed length code data, and said result data of said resolved reference is stored in a predetermined location in a head code data of at least one of said plurality of reference data structures.

19. (New) An information processing device according to claim 3, wherein said link information provided for linking to said object program contains code data of a number of fixed lengths, and said result data of said resolved reference is stored in a predetermined location in a head code data portion of said link information.